

CHANDLER ELI GETTY CARR

MASTER OF SCIENCE STUDENT

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EDUCATION

M.Sc. Cognitive Psychology (Comparative Cognition and Behaviour) – GPA 3.5

Sept 2024 - Present

University of Alberta, Canada

B.A. Biology Major, Neuroscience Major – GPA 3.81

May 2024

Dean's List, Phi Beta Kappa (ΦBK), Ohio Wesleyan University, USA

RESEARCH INTERESTS

- ❖ Mechanisms underpinning individuality in animal behaviour
- ❖ Drivers of variation in building behaviour
- ❖ Relationship between aesthetics, cognition, and emotion in humans

PEER-REVIEWED PUBLICATIONS

- (3) Carr, C. E. G., Propp, A., Saikaly, K. R., Bailey, K. (2026). When science isn't beautiful: Lab aesthetics impact reaction times and reactive cognitive control. *Journal of Environmental Psychology*, 110, 102968. <https://doi.org/10.1016/j.jenvp.2026.102968>
- (2) Carr, C. E. G., Swanson, Z. M., Reichard, D. G. (2025). Repeatability of an extended phenotype: Potential causes and consequences of nest variation in the *Troglodytes aedon* (Northern House Wren). *Ornithology*, 142, 1–15. <https://doi.org/10.1093/ornithology/ukae068>
- (1) Carr, C. E. G., Bailey, K. (2023). Early-career Pedagogical Practice: The value of training undergraduates to teach. *Journal of Undergraduate Neuroscience Education*, 22(1), A22–A26. <https://doi.org/10.59390/XYFR3420>

IN-PREP, REVIEW, REVISION, PRE-PRINT PUBLICATIONS

- (4) Carr, C. E. G.*, Ghosh, A.*, Munley, K. M. (In review). Defeated, yet resilient: Neuroendocrine mechanisms and adaptive significance of social subordination. *Hormones and Behavior*. **(Invited article)**.
- (3) Carr, C. E. G., Propp, A., Saikaly, K., Bailey, K. (2025). When science isn't beautiful: The effect of lab space aesthetics on participant performance of two Color Stroop tasks. *SocArXiv*, 2025.05.30.657090. https://doi.org/10.31235/osf.io/jyv29_v1
- (2) Swanson, Z. M., Carr, C. E. G., Fornara, J., Eggleston, R. C., Reichard, D. G. (2025) Predator type and relative risk affects the repeatability of nest defense in a songbird. *bioRxiv*, 2025.05.30.657090. <https://doi.org/10.1101/2025.05.30.657090>
- (1) Carr, C. E. G., Swanson, Z. M., Reichard, D. G. (2024). Repeatability of an extended phenotype: potential causes and consequences of nest variation in the Northern House Wren (*Troglodytes aedon aedon*). *bioRxiv*, 2024.03.08.584149. <https://doi.org/10.1101/2024.03.08.584149>.

* These authors share first authorship.

CONFERENCES AND PRESENTATIONS

Talks

- (2) Carr, C. E. G., Buriac, S., Chernakova, L., Quinn Lee, J., Munley, K. M. Validating machine learning approaches for studying complex social behaviours in an African cichlid. Integrative and Comparative Biology Annual Meeting, Philadelphia, Pennsylvania, USA, January 2027.
- (1) Carr, C. E. G., Reichard, D. G. Causes and consequences of nest variation in a free-living songbird. *Spring Science Symposium*, Ohio Wesleyan University, Ohio, USA, May 2024.

Posters

- (5) † Carr, C. E. G., Quinn Lee, J., Munley, K. M. Defining behaviour mathematically: Using DeepLabCut to create an automated scoring system for the study of complex social behaviours. *Joseph R. Royce Research Conference*, Edmonton, Alberta, Canada, March 2026. † **Won an award for Best Poster Presentation**
- (4) Carr, C. E. G., Wolverton, C. Identifying gravitropic phenotypes of co-expressed gene mutants of the gravity-regulated protein ROSY-1. *American Society for Gravitational and Space Research*, Washington D.C., USA, November 2023.
- (3) Ball, P., Carr, C. E. G., Coleman, M., Sullivan, C., Zimmerman, J., Wolverton, C. Uncovering new members of the plant gravity signaling pathway. *American Society for Gravitational and Space Research*, Washington D.C., USA, November 2023.
- (2) Carr, C. E. G., Swanson, Z. M., Reichard, D. G. Causes and consequences of nest architecture variation in House Wrens (*Troglodytes aedon aedon*). *American Ornithological Society & Society of Canadian Ornithologists - Société des Ornithologistes du Canada*, London, Ontario, Canada, August 2023.
- (1) Carr, C. E. G., Bailey, K. M. Impact of Unconscious Aesthetic Evaluations on Cognition and Affect. *Midwestern Great Lakes Undergraduate Research Symposium in Neuroscience*, Berea, Ohio, USA, October 2022.

PUBLIC ENGAGEMENT AND OUTREACH

Talks

- (1) Carr, C. E. G. Animal Architecture: My life as a Biologist. Washington Middle School 7th grade class, Washington Court House City Schools, May 2024.

Podcasts

- (1) Carr, C. E. G., and Bailey, K. M. Pedagogy and Partnership. Think Alike?: A Neuronline Podcast, Society for Neuroscience, August 2025.

Blog posts

- (1) Carr, C. E. G. Finding the artist in the artwork: repeatable individual differences in the nests of a North American songbird. Wing Beat, American Ornithological Society, April 2025.

STEM Professional Representative Letters to a Pre-Scientist Pen Pal Program, USA	Sep. 2025 – Dec. 2025
Student Representative Neuroscience Faculty Search Committee, Ohio Wesleyan University, USA	Sep. 2023 – Mar. 2024
Co-founder and 1st Vice President Neurds Neuroscience Club, Ohio Wesleyan University, USA	Sep. 2022 – Apr. 2023
Student Representative Neuroscience Faculty Search Committee, Ohio Wesleyan University, USA	Sep. 2022 – Dec. 2022

TEACHING EXPERIENCE

Teaching Assistant; Department of Psychology, University of Alberta, Canada Basic Psychological Processes, Individual and Social Behaviour, Abnormal Psychology, Social Psychology, Principles of Learning, Human Neuropsychology, Perception, Behaviour and Genetics, Hormones and Behaviour	2024-Present
Teaching Assistant; Department of Biological Sciences, Ohio Wesleyan University, USA Ornithology (undergraduate lab)	2024
Teaching Assistant; Department of Psychology (Neuroscience), Ohio Wesleyan University, USA Introduction to Neuroscience (undergraduate lab)	2023
Co-Instructor; Department of Psychology (Neuroscience), Ohio Wesleyan University, USA Topics in Neuroscience (undergraduate seminar)	2023

HONORS AND SOCIETIES

Phi Beta Kappa (ΦBK) Society Member
OWU Chapter of PBK, Ohio Wesleyan University, USA

May. 2024 – Present

RESEARCH GRANTS AND FELLOWSHIPS

Undergraduate - \$3750 CAD

Small Grant Program for Signature Projects – 1000 USD **Jan. 2024**

Travel Grant (Graduate School Visitation), Ohio Wesleyan University, USA

Small Grant Program for Signature Projects – 750 USD **Mar. 2023**

Research Grant (Nest Research), Ohio Wesleyan University, USA

Small Grant Program for Signature Projects (x2) – 1000 USD **(1) Jan. 2023, (2) Aug. 2022**

Research Grants (Neuroaesthetics Research), Ohio Wesleyan University, USA

HONORS, AWARDS, AND SCHOLARSHIPS

Masters - \$5000 CAD

University of Alberta Graduate Recruitment Scholarship – 5000 CAD **Jan. 2024**

Scholarship, University of Alberta, Canada

Undergraduate - \$2980

Phi Beta Kappa (ΦBK) Society Member (Honor) **May. 2024 – Present**
OWU Chapter of PBK, Ohio Wesleyan University, USA

Ralph Alvin Bowdle Award – 100 USD **Apr. 2024**

Exceptional Contribution to the Department (Biological Sciences Department), Ohio Wesleyan University, USA

Edwin Grant Conklin Award – 100 USD **Apr. 2024**

Research Award (Biological Sciences Department), Ohio Wesleyan University, USA

Elizabeth Cass-Wills Prize – 500 USD **Apr. 2024**

Professional Development Award (Biological Sciences Department), Ohio Wesleyan University, USA

Garry A. Bahrach Memorial Award for Excellence in Research – 250 USD **Apr. 2024**

Research Award (Psychology Department), Ohio Wesleyan University, USA

Travel Award in Support of Diversity & Inclusion – 1030 USD **Mar. 2023**

Travel Award (Nest Research), American Ornithological Society, USA

Neuroscience Bishop Award for Conferences – 1000 USD **Mar. 2023**

Travel Award (Neuroaesthetics Research), Ohio Wesleyan University, USA

REFERENCES

Dr. Kat Munley - Assistant Professor of Psychology, University of Alberta

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Dr. Dustin Reichard - Associate Professor of Biological Sciences, Ohio Wesleyan University

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Dr. Kira Bailey - Associate Professor of Psychology and Neuroscience, Ohio Wesleyan University

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